

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	2001/0003728	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:53
S2	0	(2001/0003728).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 18:14
S3	2	("6242072").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 18:18
S4	168057	Ito.in.	US-PGPUB; USPAT; JPO	OR	OFF	2006/12/06 18:21
S5	212	Ito.in. and June	US-PGPUB; USPAT; JPO	OR	OFF	2006/12/06 18:19
S6	24	Ito.in. and June and "2001"	US-PGPUB; USPAT; JPO	OR	OFF	2006/12/06 18:19
S7	435	Ito.in. and honeycomb	US-PGPUB; USPAT; JPO	OR	OFF	2006/12/06 18:22
S8	0	Ito.in. and honeycomb and "June, 14, 2001"	US-PGPUB; USPAT; JPO	OR	OFF	2006/12/06 18:23
S9	1	("20010003728").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/06 18:23
S10	1679	422/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:54

## EAST Search History

S11	810	422/122.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:54
S12	2384	422/177.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:54
S13	2490	428/304.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:56
S14	302	428/307.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:56
S15	588	428/34.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:58
S16	2962	428/116.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:58
S17	0	428/43.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:58

## EAST Search History

S18	1169	428/188.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:58
S19	3252	428/192.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:58
S20	322	428/73.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:58
S21	14437	S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S17 OR S18 OR S19 OR S20	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 11:59
S22	1420	S21 and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 12:00
S23	71	S21 and honeycomb and ceramic and porosity and (gradient or graded)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 15:56
S24	8	S21 and honeycomb and ceramic and (porosity with (gradient or graded))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:11

## EAST Search History

S25	49	S21 and honeycomb and ceramic and (porosity with (gradient or graded or increasing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:13
S26	48	S21 and honeycomb and ceramic and (porosity with (gradient or graded or increasing)) and (cordierite or alumina or mullite or "silicon nitride" or "aluminum titanite" or "silcon carbide")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:15
S27	5	S21 and honeycomb and ceramic and (porosity with (gradient or graded or increasing)) and (cordierite or zirconia or alumina or mullite or "silicon nitride" or "aluminum titanite" or "silcon carbide") and (thick or thickness) and "flow passage"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:21
S28	0	S21 and honeycomb and ceramic and (porosity with (gradient or graded)) and (cordierite or zirconia or alumina or mullite or "silicon nitride" or "aluminum titanite" or "silcon carbide") and (thick or thickness) and "flow passage"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:21
S29	1	S21 and honeycomb and ceramic and (porosity with (gradation or gradient or gradually)) and (cordierite or zirconia or alumina or mullite or "silicon nitride" or "aluminum titanite" or "silcon carbide") and (thick or thickness) and "flow passage"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:25
S30	195747	Hirai or Kawae or Kato.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:26
S31	40153	Hirai or Kawae or Kato.in. and honeycomb\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:26

## EAST Search History

S32	534	S31 and honeycomb	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:27
S33	178	S31 and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 12:27
S34	178	S31 and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 13:21
S35	39	S31 and honeycomb and ceramic and (Sadaaki or Tayuki or Yasushi)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 13:22
S36	1679	422/180.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S37	810	422/122.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S38	2384	422/177.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56

## EAST Search History

S39	2490	428/304.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S40	302	428/307.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S41	588	428/34.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S42	2962	428/116.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S43	0	428/43.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S44	1169	428/188.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S45	3252	428/192.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56

## EAST Search History

S46	322	428/73.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S47	14437	S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S43 OR S44 OR S45 OR S46	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/09 15:56
S48	42	S47 and honeycomb and ceramic and porosity and (gradient or graded) and ( percent or "%") and ("mm" or millimeter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 15:58
S49	83	S47 and honeycomb and ceramic and porosity and (gradient or graded or gradually or gradual) and ( percent or "%") and ("mm" or millimeter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 16:04
S50	13	S47 and honeycomb and ceramic and (porosity with (gradient or graded or gradually or gradual)) and ( percent or "%") and ("mm" or millimeter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/09 16:22
S51	0	("60946013").PN.	USPAT; USOCR	OR	OFF	2006/12/09 16:12
S52	1	("6946013").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/09 16:12
S53	1	("4455336").PN.	USPAT; USOCR	OR	OFF	2006/12/09 16:22
S54	365	501/118.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:21

## EAST Search History

S55	655	501/119.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:21
S56	371	501/120.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:21
S57	1442	501/153.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:21
S58	741	501/154.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:21
S59	3007	428/116.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22
S60	1185	428/13.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22
S61	607	428/117.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22



## EAST Search History

S62	1035	428/119.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22
S63	1173	428/188.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22
S64	9811	428/913.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22
S65	3207	428/327.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22
S66	329	428/73.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:22
S67	602	428/34.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:24
S68	309	428/307.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:25

## EAST Search History

S69	171	428/177.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:25
S70	2613	428/304.4.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:25
S71	3296	428/192.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:25
S72	1886	165/10.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:25
S73	1385	55/523.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:25
S74	0	55/585.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:26
S75	346	55/483.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:26

## EAST Search History

S76	1740	55/502.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:26
S77	395	55/529.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:26
S78	33703	S54 or S55 or S56 or S57 or S58 or S59 or S60 or S61 or S62 or S63 or S64 or S65 or S66 or S67 or S68 or S69 or S70 or S71 or S72 or S73 or S74 or S75 or S76 or S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:28
S79	439	S78 and ((silicon or titanium or aluminum) with (reinforce or reinforcing or reinforced))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:30
S80	21	S78 and ((silicon or titanium or aluminum) with (reinforce or reinforcing or reinforced)) and ((increased or increasing or decreased or decreasing) with porosity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:32
S81	5	S78 and ((silicon or titanium or aluminum) with (reinforce or reinforcing or reinforced)) and ((increased or increasing or decreased or decreasing) with porosity) and (graded or gradient)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:36
S82	2	S78 and ((silicon or titanium or aluminum) with (reinforce or reinforcing or reinforced)) and (porosity with (graded or gradient))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:37

## EAST Search History

S83	1	S78 and ((silicon or titanium or aluminum) with (reinforce or reinforcing or reinforced)) and (porosity with (graded or gradient)) and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:41
S84	2	((silicon or titanium or aluminum) with (reinforce or reinforcing or reinforced)) and (porosity with (graded or gradient)) and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:43
S85	1	("4710480").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/07 17:49
S86	150	((graded or gradient) with porosity) and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS	OR	OFF	2007/06/07 17:50
S87	154	((graded or gradient) with porosity) and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS	OR	ON	2007/06/07 17:50
S88	154	((graded or gradient) with porosity) and honeycomb and ceramic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:50
S89	153	((graded or gradient) with porosity) and honeycomb and ceramic and ("Al" or aluminum or "Si" or silicon or "Ti" or titanium or "Mg" or magnesium)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/07 17:51
S90	101	((graded or gradient) with porosity) and honeycomb and ceramic and ("Al" or aluminum or "Si" or silicon or "Ti" or titanium or "Mg" or magnesium) and (inflow or outflow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/08 09:07

## EAST Search History

S91	100	((graded or gradient) with porosity) and honeycomb and ceramic and (aluminum or silicon or titanium or magnesium) and (inflow or outflow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/08 09:10
S92	14	((graded or gradient or increasing or decreasing) with (porosity or density)) and (honeycomb with ceramic) and (aluminum or silicon or titanium or magnesium) and (inflow or outflow)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/08 09:42
S93	1	("6242072").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 09:59
S94	2	("6242072") or ("20010003728").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/08 09:59